

ABSTRACT OF THE DISCLOSURE

5 A system for wireless communications is provided. The
system includes a hand-held wireless communications device,
such as a cell phone. An antenna is connected to the cell
phone. The antenna radiates radio waves over an area of
less than 360 degrees of arc, such as in a cardioid or
hemisphere. The antenna is oriented such that hemisphere is
10 in the direction away from a head of a user of the cell
phone.

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